$$R_1$$
 $R_3$ 
 $R_4$ 
 $R_2$ 

**(I)** 

wherein  $X_1$  and  $X_2$  independently represent O or S,  $R_1$ ,  $R_2$  and  $R_3$  independently represent hydrogen, lower alkyl, lower alkenyl or lower alkynyl;  $R_4$  represents the following group:

wherein  $Y_1$  and  $Y_2$  independently represent hydrogen, halogen or lower alkyl, and Z

represents substituted or unsubstituted aryl, or the following group:

a naphthyl only

wherein m is an integer of 1 to 3 and R<sub>6</sub> represents hydrogen, hydroxy, lower alkyl, lower alkoxy, halogen nitro or amino, or a substituted or unsubstituted heterocyclic group selected from furyl and pyridyl; and wherein the substituted aryl and the substituted heterocyclic group have 1 to 3 independently-selected substituents selected from the group consisting of lower alkyl, hydroxy, lower alkoxy or lower alkoxy substituted with a substituent(s) selected from the group consisting of hydroxy, lower alkoxy, halogen, amino, azido, carboxy and lower alkoxycarbonyl, halogen, nitro, amino, lower alkylamino, di(lower alkyl)amino, trifluoromethyl,

Frent

trifluoromethoxy, benzyloxy, phenyl, phenoxy, lower alkanoyl, lower alkanoyloxy, aroyloxy, aralkanoyloxy, carboxy, lower alkoxycarbonyl, lower alkylcarbamoyl, di(lower alkyl)carbamoyl, sulfo, lower alkoxysulfonyl, lower alkylsulfamoyl and di(lower alkyl)sulfamoyl; or a pharmaceutically acceptable salt thereof, as an active ingredient